Computational Biologist / Bioinformaticist
Post–doctoral – Data Integration
Biosciences Division
Oak Ridge National Laboratory
Oak Ridge, Tennessee

ORNL08–46–BSD

Project Description:
The Biosciences Division (BSD) of the Oak Ridge National Laboratory (ORNL) is seeking a Post-doctoral Computational Biologist / Bioinformaticist to support a team in the design of data management and data integration systems and tools. These activities would support the new BioEnergy Sciences Center (BESC) [www.bioenergycenter.org], a five year project which is using multiple techniques to understand the structure of biomass and its recalcitrance to processing by enzyme systems. The focus of this research area intersects the field of biology with computing, engineering, and the physical and analytical sciences with the overall objective of developing computational and data systems that will help provide insight through an integration of results from experimental techniques and computational models.

The successful candidate will perform independent and team research in bioinformation systems. In addition to supporting the BESC projects, the postdoctoral investigator will have an opportunity to participate in other projects in the area of computational systems biology from the Department of Energy, National Institute of Health, and other funding agencies.

Experience Education and Skills Requirements: The position requires a M.S. or Ph.D. in computational sciences with a strong background in data management and data integration, including detailed working knowledge of relational databases, laboratory and workflow management systems, or a Ph.D. in computational biology with a strong background and research experience in data, analysis, and visualization systems. Experience with a plant genomics or microorganisms will be a plus. The successful candidate will have outstanding communications and interpersonal skills, and will perform effectively in a dynamic, intellectually stimulating multi-disciplinary research environment.

This position offers access to the world-class high-performance computing environment at the ORNL Center for Computational Sciences, as well as the new Joint Institute for Biological Sciences in BSD, close collaborations with biologists and computational scientists, and a stimulating research environment. Joint appointments with relevant departments at the nearby University of Tennessee are possible.

Qualified candidates are invited to submit a letter of interest, current curriculum vitae, statement of research interests, and the names of at least three references by attaching a file to the application. ALL THREE COMPONENTS SHOULD BE INCLUDED IN A SINGLE FILE. Questions about the position may be referred to Dr. Edward C. Uberbacher at uberbacherec@ornl.gov or 865-574-6134.

Qualifications: Master's or Ph.D. degree required
Required disciplines in Computer Sciences

Applicants cannot have received the most recent degree more than five years prior to the date of application and must complete all degree requirements before starting their appointment.

How to Apply:
Qualified applicants may apply online at https://www2.orau.gov/ORNL_POST/. All applicants will need to register before they can begin the online application. For complete instructions, on how to apply, please see the instructions at http://www.orau.gov/orise/edu/ornl/ornl-pdpm/application.htm. When applying for this position, please reference the position title and number (ORNL08-46-BSD).

This appointment is offered through the ORNL Postgraduatel Research Associates Program and is administered by Oak Ridge Associated Universities (ORAU). This appointment is open to all qualified U.S. and non-U.S. citizens without regard to race, color, age, religion, sex, national origin, physical or mental disability, or status as a Vietnam-era veteran or disabled veteran.